

CLAIMS

What is claimed is:

1. A method in a data processing system including a
server computer system, which includes a server clock,
5 coupled to a client computer system, which includes a
display and a client clock, for generating and
displaying, in said client computer system, a local
server clock which is synchronized with said server clock
utilizing said client clock, said method comprising the
10 steps of:

requesting data from said server computer system to
be displayed on said client computer system's display;

receiving said data from said server computer system
by said client computer system;

15 said client computer system determining a current
time indicated by said server clock;

said client computer system generating a local
server clock;

20 thereafter, updating said local server clock
utilizing said client clock; and

displaying said data and said local server clock
together on said display.

2. The method according to claim 1, wherein the step of
said updating said local server clock utilizing said
25 client clock further comprises the step of incrementing
said local server clock utilizing said client clock to
count increments.

3. The method according to claim 1, further comprising
the steps of:

establishing a refresh counter within said client computer system;

upon said request of said data, resetting said refresh counter to zero;

5 upon said receipt of said data in said client, incrementing said refresh counter; and

displaying said refresh counter on said display along with said data.

4. The method according to claim 3, further comprising
10 the steps of:

requesting a refresh of said data, wherein said data is retransmitted from said server to said client in response to said request;

15 resetting said refresh counter to zero in response to a receipt of said retransmitted data;

upon said receipt of said retransmitted data in said client, incrementing said refresh counter; and

displaying said refresh counter on said display along with said retransmitted data.

20 5. The method according to claim 1, wherein the step of requesting data from said server computer system to be displayed on said client computer system's display further comprising the step of requesting a Web page from said server computer system to be displayed on said
25 client computer system's display.

6. The method according to claim 5, further comprising the step of including at least one auction item available for sale in said Web page.

7. The method according to claim 6, further comprising the steps of:

displaying an icon associated with said at least one auction item, said auction item being available for sale
5 until a particular date and time, said particular date and time being determined by said server clock;
selecting said icon;
determining an amount of time currently remaining
until said particular date and time utilizing said local
10 server clock; and
displaying said amount of time in a window in response to a selection of said icon.

8. The method according to claim 7, further comprising the steps of:

15 establishing a time-remaining counter; and
displaying said amount of time utilizing said time-remaining counter in response to said display.

9. The method according to claim 8, further comprising the step of decrementing said time-remaining counter
20 utilizing said client clock to count decrements.

10. The method according to claim 9, further comprising the steps of:

opening said window in response to said selection of said icon;
25 resetting said time-remaining counter in response to said selection; and
displaying a current value of said time-remaining counter in said window.

11. The method according to claim 10, further comprising the steps of:

establishing a time-remaining parameter;

permitting a user to specify said time-remaining

5 parameter;

in response to said determined amount of time being greater than or equal to said time-remaining parameter, displaying a statement indicating said determined amount of time is greater than said time-remaining parameter;

10 and

in response to said determined amount of time being less than said time-remaining parameter, displaying a current value of said time-remaining counter.

12. The method according to claim 11, further comprising the steps of:

closing said window; and

stopping said time-remaining counter in response to said closing said window.

13. A data processing system including a server computer system, which includes a server clock, coupled to a client computer system, which includes a display and a client clock, for generating and displaying, in said client computer system, a local server clock which is synchronized with said server clock utilizing said client
20 clock, comprising:

said client computer system for requesting data from said server computer system to be displayed on said client computer system's display;

said client computer system for receiving said data from said server computer system by said client computer system;

5 said client computer system for determining a current time indicated by said server clock;

 said client computer system for generating a local server clock;

 said client computer system for thereafter, updating said local server clock utilizing said client clock; and

10 said data and said local server clock being displayed together on said display.

14. The system according to claim 13, wherein said client computer system for updating said local server clock utilizing said client clock further comprises said
15 client computer system for incrementing said local server clock utilizing said client clock to count increments.

15. The system according to claim 13, further comprising the steps of:

20 a refresh counter included within said client computer system;

 upon said request of said data, said client computer system for resetting said refresh counter to zero;

25 upon said receipt of said data in said client, said client computer system for incrementing said refresh counter; and

 said display for displaying said refresh counter along with said data.

16. The system according to claim 15, further comprising the steps of:

said client computer system for requesting a refresh of said data, wherein said data is retransmitted from said server to said client in response to said request;

said refresh counter being reset to zero in response to a receipt of said retransmitted data;

upon said receipt of said retransmitted data in said client, said client computer system for incrementing said refresh counter; and

said display for displaying said refresh counter along with said retransmitted data.

17. The system according to claim 13, wherein said client computer system for requesting data from said server computer system to be displayed on said client computer system's display further comprising said client for requesting a Web page from said server computer system to be displayed on said client computer system's display.

18. The system according to claim 17, further comprising said server computer system for including at least one auction item available for sale in said Web page.

19. The system according to claim 18, further comprising:

an icon associated with said at least one auction item being displayed with said at least one auction item, said auction item being available for sale until a particular date and time, said particular date and time being determined by said server clock;

said client for permitting selection of said icon;

said local server clock for determining an amount of time currently remaining until said particular date and time; and

5 said amount of time being displayed in a window in response to a selection of said icon.

20. The system according to claim 19, further comprising:

10 a time-remaining counter being displayed; and
 said amount of time being displayed utilizing said time-remaining counter in response to a display of said time-remaining counter.

21. The system according to claim 20, further comprising said client computer system for decrementing said time-remaining counter utilizing said client clock to
15 count decrements.

22. The method according to claim 21, further comprising:

20 said window being opened in response to said selection of said icon;
 said time-remaining counter being reset in response to said selection; and
 a current value of said time-remaining counter being displayed in said window.

23. The system according to claim 22, further comprising:

25 a time-remaining parameter;
 in response to said determined amount of time being greater than or equal to said time-remaining parameter,

said window for displaying a statement indicating said determined amount of time is greater than said time-remaining parameter; and

5 in response to said determined amount of time being less than said time-remaining parameter, said window for displaying a current value of said time-remaining counter.

24. The system according to claim 23, further comprising the steps of:

10 said window being closed; and
said time-remaining counter being stopped in response to said closing of said window.

25. A computer readable medium in a data processing system including a server computer system, which includes
15 a server clock, coupled to a client computer system, which includes a display and a client clock, for generating and displaying, in said client computer system, a local server clock which is synchronized with said server clock utilizing said client clock, said
20 computer readable medium comprising:

instruction means for requesting data from said server computer system to be displayed on said client computer system's display;

25 instruction means for receiving said data from said server computer system by said client computer system;

instruction means for said client computer system determining a current time indicated by said server clock;

30 instruction means for said client computer system generating a local server clock;

instruction means for thereafter, updating said local server clock utilizing said client clock; and

instruction means for displaying said data and said local server clock together on said display.

- 5 26. The computer readable medium according to claim 25, wherein said instruction means for said updating said local server clock utilizing said client clock further comprises instruction means for incrementing said local server clock utilizing said client clock to count
10 increments.

27. The computer readable medium according to claim 25, further comprising:

instruction means for establishing a refresh counter within said client computer system;

- 15 instruction means for upon said request of said data, resetting said refresh counter to zero;

instruction means for upon said receipt of said data in said client, incrementing said refresh counter; and

- 20 instruction means for displaying said refresh counter on said display along with said data.

28. The computer readable medium according to claim 27, further comprising:

- instruction means for requesting a refresh of said data, wherein said data is retransmitted from said server
25 to said client in response to said request;

instruction means for resetting said refresh counter to zero in response to a receipt of said retransmitted data;

instruction means for upon said receipt of said retransmitted data in said client, incrementing said refresh counter; and

instruction means for displaying said refresh
5 counter on said display along with said retransmitted data.

29. The computer readable medium according to claim 25,
wherein said instruction means for requesting data from
said server computer system to be displayed on said
10 client computer system's display further comprises
instruction means for requesting a Web page from said
server computer system to be displayed on said client
computer system's display.

30. The computer readable medium according to claim 29,
15 further comprising instruction means for including at
least one auction item available for sale in said Web
page.

31. The computer readable medium according to claim 30,
further comprising:

20 instruction means for displaying an icon associated
with said at least one auction item, said auction item
being available for sale until a particular date and
time, said particular date and time being determined by
said server clock;

25 instruction means for selecting said icon;

instruction means for determining an amount of time
currently remaining until said particular date and time
utilizing said local server clock; and

instruction means for displaying said amount of time in a window in response to a selection of said icon.

32. The computer readable medium according to claim 31, further comprising:

5 instruction means for establishing a time-remaining counter; and

instruction means for displaying said amount of time utilizing said time-remaining counter in response to said display.

10 33. The computer readable medium according to claim 32, further comprising instruction means for decrementing said time-remaining counter utilizing said client clock to count decrements.

15 34. The computer readable medium according to claim 33, further comprising:

instruction means for opening said window in response to said selection of said icon;

instruction means for resetting said time-remaining counter in response to said selection; and

20 instruction means for displaying a current value of said time-remaining counter in said window.

35. The computer readable medium according to claim 34, further comprising:

25 instruction means for establishing a time-remaining parameter;

instruction means for permitting a user to specify said time-remaining parameter;

instruction means for in response to said determined amount of time being greater than or equal to said time-remaining parameter, displaying a statement indicating said determined amount of time is greater than
5 said time-remaining parameter; and

instruction means for in response to said determined amount of time being less than said time-remaining parameter, displaying a current value of said time-remaining counter.

10 36. The computer readable medium according to claim 35, further comprising:

instruction means for closing said window; and

instruction means for stopping said time-remaining counter in response to said closing said window.